

Technical Data Sheet

CHARACTERISTIC	NORM	SYMBOL	REQUIREMENT
Overall Thickness	ASTM F387		3.0 mm
Wear layer	ASTM F410 20		22 mil or 0.55mm
Dimension	ASTM F2055		7' x 48' Length: 0/+0.3 Width: 0/+0.4
Beveled Edge			Micro Bevel
Texture			Embossed / Wood Grain
Finish			UV Anti-Scratch Coating
Package			14pcs/carton, 55cartons/pallet, 20pallets/container 20GP
Net Weight			2.80 lbs/pcs, 39.28 lbs/box, 2171.55 lbs/pallet
Recommended Use			Multi-family, Rentals, Light Commercial, Hospitality
Thickness tolerance	ISO24346		+0.13 /-0.10mm
Dimension tolerance (length/width)	ISO24342		L : ±0.50mm W : ±0.15mm
Dimensional Stability	ISO23999		≤0.10%
Curling	ISO23999		≤1mm
Squareness (plank)	ISO24342		≤0.20
Width Flatness	ISO10582 Annex B		Concave≤0.10%/Convex≤0.15%
Length Flatness	ISO10582 Annex B		Concave≤0.50%/Convex≤1.0 %
Openings / Assembling	ISO10582 Annex C		average≤0.15mm
Ledging	ISO10582 Annex C		average≤0.10mm
Chemical resistance	ASTM F925		No change
Surface treatment (UV)			base coating+top coating
Surface Integrity	ASTM F1914		No puncture through wear layer into rigid core
Residual Indentation	ASTM F1700/ASTM F1914		≤8%
Castor Chair	ISO4918		25000R
Heat stability (color change)	ASTM F1514		ΔE≤8
Light Stability (Color Change Test)	ASTM F1515		ΔE≤8
Gloss Level			4~6
Reaction to Fire	ASTM E648		≥0.45W/cm²
Optical smoke density	ASTM E662		≤450
Locking Strength	ISO10582		N/A

Resistance to Staining	EN423		grade0
Micro Scratch Resistance	EN16094		≤grade2
Abrasion Resistance(0.15/0.3/0.5MM)	ASTM D4060		1000R/2400R/4000R
Thermal Resistance	ASTM C518		0.02 to 0.05 m ² ·K/W (or 0.1 to 0.3 ft ² ·h·°F/BTU)
Slip Resistance (Slip Resistance for Coated Surfaces)	DN51130		R9
Formaldehyde	ASTM E1333		≤ 0.041 ppm
Heavy Metal content	ASTM F963		Pb≤90ppm
Pentachlorophenol (PCP)	CP 491510-01		PCP levels ≤ 5 ppm
Floor Heating System			suitable
FloorScore			✓
TVOC	CA01350		≤0.5mg/m ³
Flexibility	ISO 24344:2008, Method A		
			Test using a 20 mm mandrel. For products which show signs of cracking, perform a further test using a 50 mm mandrel. If results show no further cracking,record the use of a 50 mm mandrel.